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- 1372 Spectrophotometric and Liquid-Chromatographic Studies of Thymolphthalein Monophosphate. Specifications for High-Quality Substrate for the Measurement of Prostatic Acid Phosphatase Activity George N. Bowers, Jr., Mary Onoroski, Richard
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1477 Precision of Lamellar-Body Phospholipid Determination in Amniotic Fluid? D. O. F. Gebhardt (Reply)

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- 1478 Nonlabile Hemoglobin A1 Estimated after Sample Preparation by Ultrafiltration V. T. Innanen and F. Recknagel
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SEPTEMBER

Thirteenth Annual Symposium on **Advanced Analytical Concepts for** the Clinical Laboratory

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1505 Immunochemical Evaluation of the Organ Specificity of Prostatic Acid Phosphatase Leslie M. Shaw, Norman Yang, J. J. Brooks, Marilyn Neat, Elizabeth Marsh, and Bette Seamonds

1513 Glucose Oxidase Immunoenzyme Methodology as a Substitute for Fluorescence Microscopy in the Clinical Laboratory Tara Rathlev, Janet M. Hocko, Ginger F. Franks, Stephen C. Suffin, Charles M. O'Donnell, and David D. Porter

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1558 A Flexible, Computer-Controlled Video Microscope Capable of Quantitative Spatial, Temporal, and Spectral Measurements Edwin S. Rich, Jr., and John E. Wampler

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- 1586 Automated In-Line Ratio-Correcting Filter Fluorometer Omar S. Khalil, William S. Routh, Keith Lingenfelter, David B. Carr, and Peter Ladouceur
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- 1618 Rapid Automated Detection of Hepatitis B Surface Antigen with the Centria Automated Radioimmunoassay System V. Dionisius, J. P. Jolu, and B. Mériadec
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1651 A Candidate Reference Method for Determination of Total Protein in Serum II. Test for Transferability Basil T. Doumas, David D. Bayse, Klaus Borner, Richard J. Carter, Frank Elevitch, Carl C. Garber, Robert A. Graby, Lawrence L. Hause, Alan Mather, Theodore Peters, Jr., Royden N. Rand, Dennis J. Reeder, Steven M. Russell, Robert Schaffer,

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- 1698 Specific ¹²⁵I-Radioimmunoassay for Cholylglycine, a Bile Acid, in Serum Phillip Miller, Stephen Weiss, Martha Cornell, and Joan Dockery
- 1704 Liquid-Chromatographic Determination of Bilirubin and Its Conjugates in Rat Serum and Human Amnotite Fluid Philip Rosenthal, Norbert Blanckaert, Pokar M. Kabra, and M. Michael Thaler
- 1708 Influence of Hemolysis on the Serum Lactate
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- 1712 Many Hitherto Unknown Peptides Are Principal Constituents of Uremic "Middle Molecules" J. Menyhárt and J. Gróf
- 1717 Effect of Feedback to Clinical Staff of Information on Clinical Biochemistry Requesting Patterns
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- 1721 Enzyme Immunoassay for Thyroxine and Triiodothyronine in Human Serum, with Use of a Covalent Chromatographic Separation Method Ryohei Yamamoto, Shigeko Hattori, Tadahiko Inukai, Akira Matsuura, Kanzo Yamashita, Akira Kosaka, and Kanefusa Kato
- 1724 Increased Inactive Creatine Kinase B Protein in the Plasma of Patients with Malignancy Michael H. Burnam, John L. Barstis, Craig S. Stern, Dan M. Rose, Marissa A. Crouch, Charles M. Haskell, and Bramah N. Singh

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- 1733 Total-Calcium Measurement In Serum from Neonates: Limitations of Current Methods Elaine M. Brett and Jocelyn M. Hicks

- 1737 Plasma Lipid-bound Sialic Acid and Carcinoembryonic Antigen in Cancer Patients Ann M. Dnistrian and Morton K. Schwartz
- 1739 Evaluation of Chronic Granulomatous Disease by a Chemiluminescence Assay of Microliter Quantities of Whole Blood Lawrence R. DeChatelet and Pamela S. Shirley
- 1742 Clinical Applicability of Acid Phosphatase Isoenzyme Assay
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- 1747 Comparison of Countercurrent Immunoelectrophoretic Assay with Commercial Radioimmunoassay Kits for Measuring Prostatic Acid Phosphatase G. L. Wright, Jr., P. F. Schellhammer, D. N.
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- 1771 Xanthine Oxidase in Serum of Viral Hepatitis Patients May Interfere in Urate Determination by Endpoint Measurement with Xanthine in the Reagent Mixture G. A. Harff and F. Lamie
- 1771 Rapid Liquid-Chromatographic/Fluorometric Method for Taurine in Biological Fluids, Involving Pre-Derivatization with Fluorescamine Thomas V Stabler and Abraham I. Sienel
- 1771 Hyperglycemia-Induced Hyponatremia: A Clinical Study to Validate a Correction Factor Amin A. Nanii
- 1773 Chemical Purity of Water for Injection: A Potential Source of Analytical Error
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- 1773 Antitryptic Activity in Amniotic Fluid C. H. Konings and G. J. van Kamp
- 1774 A Modified Gluck Method for the Lecithin/ Sphingomyelin Ratio with Increased Specificity and Validity Norman H. Huang, Norma F. Besch, Paige K. Besch, and Clark M. Hinkley
- 1776 Gas Chromatography of Valproic Acid, with Benzyl Alcohol as Internal Standard Robert O. Fullinfaw and Jennifer J. Marty

- 1776 Delipidation of Serum Does Not Affect Radioimmunoassay of Steroids Robert Wheaton, Ann Love, and Demetrios S. Saoutas
- 1777 Cyanogen Bromide, a Good Reagent for Assay of Thiamine in Biological Extracts Krewan Ratanaubolchai, Jindarat Jareonsanti, and Bhinyo Panijpan
- 1778 The Quinidine-Fluorometry Dilemma
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- 1779 Simultaneous Quantitation of Biliary Cholesterol, Bile Acids, and Phospholipids (as Fatty Acids), by Gas-Liquid Chromatography, with Campesterol as Internal Standard R. L. Yunker, A. S. Hassan, and M. T. R. Subhiah
- 1780 On-Column Reduction of Promethazine Metabolite during Gas Chromatography Raini B. Patel and Peter G. Welling
- 1781 Retinot-Binding Protein in Urine: A More Practical Index than Urinary \$\beta_2\text{-Microglobulin for the}\$ Routine Screening of Renal Tubular Function Alfred M. Bernard and Robert R. Lauwervs
- 1782 Optimum Use of 8-Hydroxyquinoline in Plasma Calcium Determinations T. A. Walmsley and R. T. Fowler
- 1782 Normal Acid Phosphatase and Angiotensin Converting Enzyme Activities in Serum of a Patient with Gaucher's Disease Lydia B. Daniels, Douglas B. Robinson, Robert H. Glew, and Robert F. Wylin
- 1783 A Nonenzymic Reaction That Interferes with Measurement of Serum Aspartate Aminotransferase Activity at pH 6 T. R. C. Boyde
- 1784 Simplified Method for Adding Pyridoxal 5'-Phosphate in Aminotransferase Assays with the Gemeni Rotoloader (GEMSAEC Application) Lawrence W. Bond, Greg Nelson, and Neil Westfall
- 1785 Artifacts in Liquid-Chromatographic Assay of Theophylline Caused by Acetonitrile Deproteinization
- David Alan Jowett 1785 Therapeutic Monitoring of Tricyclic Antidepressant Drugs in Plasma or Serum by Gas Chromatography
- Pirkko Volin
 1787 Revised Values of the pa_H of Monosodium
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 1788 Enzyme Immunoassay and Gas-Liquid Chromatography Compared for Determination of
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- 1797 REVIEW: Monoclonal Antibodies in Clinical Immunology
 - E. Dale Sevier, Gary S. David, Joanne Martinis, Walter J. Desmond, Richard M. Bartholomew, and Robert Wang
- 1807 The TYCHO System for Computer Analysis of Two-Dimensional Gel Electrophoresis Patterns N. L. Anderson, J. Taylor, A. E. Scandora, B. P. Coulter, and N. G. Anderson
- 1821 Lactate Dehydrogenase Isoenzyme-1: Changes during the First Day after Acute Myocardial Infarction
 - David E. Bruns, Julia C. Emerson, Stephen Intemann, Roger Bertholf, Kenneth E. Hill, Jr., and John Savory
- 1824 A Multilaboratory-Evaluated Reference Method for the Determination of Serum Sodium Robert Schaffler, Rance A. Velapoldi, Robert C. Paule, John Mandel, George N. Bowers, Jr., Bradley E. Copeland, Denis O. Rodgerson, and James C. White
- 1829 Low-Density-Lipoprotein Apoprotein B in Plasma as Measured by Radial Immunodiffusion and Rocket Immunoelectrophoresis Louis Havekes, Jan Hemmink, and Elly de Wit
- 1834 Total Surface-Active Phospholipid/Sphingomyelin Ratio as an Index of Fetal Lung Maturity
- James C. Dohnal and Lemuel J. Bowie

 1838 Method for Testing Antiserum Titer and Avidity
- in Nephelometric Systems
 Gail A. Hudson, Robert F. Ritchie, and James E. Haddow
- 1845 Distribution of Enzymes in Dog Heart and Liver; Significance for Assessment of Tissue Damage from Data on Plasma Enzyme Activities M. P. Visser, M. T. A. Krill, A. M. M. Muijtjens, G. M. Willems, and W. Th. Hermens
- 1851 Measurement of "Lamellar Body Phospholipid" in Amniotic Fluid as a Method for Assessing Fetal Lung Maturity C. G. Duck-Chong, D. J. Henderson-Smart, J. M. Gupta, and W. J. Hensley
- 1856 Equations and Nomogram for the Relationship of Human Blood p₅₀ to 2,3-Diphosphoglycerate, CO₂, and H⁺ Michele Samaja, Andrea Mosca, Massimo Luzzana, Luigi Rossi-Bernardi, and Robert M.
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- 1872 Bilirubin Binding and Neonatal Acidosis Max Perlman, Jaime Kapitulnik, S. H. Blondheim, Aviva Alayoff, and Alex Russell
- 1875 Heterogeneity of Corticotropin-Immunoreactive Compounds in Human Body Fluids M. Schöneshöfer, A. Fenner, and I. Molnar
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- 1907 Reversed-Phase Liquid Chromatography and Gas Chromatography/Mass Frat mentography Compared for Determination of Tricyclic Antidepressant Drugs
- David A. Breutzmann and Larry D. Bowers 1911 Bratton-Marshall and Liquid-Chromatographic Methods Compared for Determination of Sulfamethazine Acetylator Status Robin Whelpton, Geraldine Watkins, and Stephen
- H. Curry 1915 16α-(1¹²⁵I)-β-Estradiol Compared with [³H]β-Estradiol as the Tracer in Estradiol Receptor Assays
 - Juan C. Tercero, Jerald C. Nelson, Edward Chi, and Alan Broughton
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- Yasushi Kasahara and Yoshihiro Ashihara

 1926 New Extraction Method for Radioimmunoassay
 of Serum Estradiol
 Peter Bonne Eriksen

1928 CORRECTIONS

PROPOSED SELECTED METHODS

- 1929 Fluorometric Determination of Quinidine Larry A. Broussard
- 1931 Theophylline Determination by "High-Pressure" Liquid Chromatography Larry A. Broussard
- 1934 Evaluation of Fetal Lung Maturity by Measurement of 1,6-Diphenyi-1,3,5-hexatriene Fluorescence Polarization in Anniotic Fluid H. S. Cheskin and T. A. Blumenfeld

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- 1938 Evidence for Formation of Bicarbonate Complexes with Na⁺ and K⁺ under Physiological Conditions
- Robert L. Coleman and C. C. Young 1939 Analytical Goals for Quantitative Urine Analysis: A Clinical View Mark D. S. Shephard, Lloyd A. Penberthy, and
- Callum G. Fraser

 1941 Methods for Suppressing the "Chemical" Interference of Billirubin in Reactions for Detecting
 Hydrogen Peroxide by Use of Peroxidase
 Francesco Zonoi and Ugo De Luca
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KEY TO ABBREVIATIONS

A. abstract of meeting paper CR, case report CC, case conference E. editorial H, history

L. letter O, opinion obit, obituary R, review

S, symposium paper SM, Selected Methods SN, scientific note SR, special report

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